ETNG and Saltville Planned Outage Overview

April 3, 2019
The following is a list of major planned outages known to date that will affect capacity or that impact major receipt/delivery areas on the East Tennessee (ETNG) and Saltville Gas Storage Company (SGSC) systems for 2019. Due to unforeseen delays or scheduling conflicts, the dates below are subject to change. Any changes to the list below will be posted to ETNG/SGSC’s electronic bulletin board at the earliest known date.

In the event of any conflicts between this presentation and ETNG/SGSC’s electronic bulletin board, ETNG/SGSC’s electronic bulletin board will take precedence. Outlined maps are for illustrative purposes only.

As stated in the March 7 and April 1 Critical Notice postings, as part of Enbridge’s ongoing integrity program, ETNG has been conducting a comprehensive assessment of its pipeline operations and is identifying locations along its entire system that may require additional integrity tests and inspections. These additional inspections or tests could include but are not limited to: (1) Aerial and Direct assessments, (2) Close Interval Surveys, (3) Additional In-Line Inspection runs and Analysis, (4) Temporary Pressure Reductions and/or (5) Hydrostatic Tests. Any related changes will be posted at the earliest practical date and may impact the timing of the outages in the planned maintenance outage posting and this WebEx.

Additionally, all capacities referenced are seasonal capacities and have not been adjusted with respect to the current Line 3100 operating conditions.
Agenda

• ETNG 2019 Planned Outages
• SGSC 2019 Planned Outages
• Q&A
ETNG 2019 Planned Outages
Flatwoods Compressor Station

• **Dates:** April 1 – 5

• ETNG will be conducting a compressor station outage at its Flatwoods Compressor Station (Flatwoods) on the 3300 line.

• During this outage, west to east capacity through Flatwoods will be reduced to approximately 89,000 Dth /d.

• Based on historical nominations, restrictions may be required for interruptible and secondary services and potentially primary firm services.
Maryville to Topside (8” Line 3220A-400 Alcoa South Extension Lateral)

- **Dates:**
  - Cleaning Tool Date: April 5
  - In-line Tool Date: April 11
  - Potential Repair Beginning On: June 20

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting cleaning and in-line inspection tool runs on its 8” Line 3220A-400.

- During this outage, ETNG will work with meter operators to minimize impacts on shippers.

- Additionally, beginning on the potential repair date, capacity reductions or isolations may be required which may result in the following meter experiencing lower than normal pressures or be unavailable for flow:
  - 59045 – ALCOA SOUTH
**Rural Retreat Compressor Station**

- **Dates:** April 8-17

- ETNG will be conducting a compressor station outage at its Rural Retreat Compressor Station (Rural Retreat) on the 3300 line. During this outage, capacities will be as follows:
  - Rural Retreat Compressor Station – 400,000 Dth /d
  - Deliveries to the Patriot Lateral on the 3500 Line – 356,000 Dth /d
  - Deliveries on the Roanoke Line – 63,000 Dth /d

- Additionally, the following meters will be limited to a net -0- receipt into the ETNG system:
  - 59204 - TRANSCO - CASCADE CREEK (DELIVERY)
  - 59304 - TRANSCO - CASCADE CREEK (RECEIPT)

- Based on historical nominations, ETNG does not anticipate restrictions associated with this outage; however depending on nominated quantities, restrictions may be required for interruptible and secondary services.
Tracy City to Ooltewah (12” Line 3200-1)

- **Dates:** April 9 – 26 and April 29 – May 4

- While conducting its previously posted DOT mandated Pipeline Integrity Program, ETNG has determined that further detailed investigations are required on its 12” Line 3200-1 between its Tracy City and Ooltewah Compressor Stations.

- During this outage ETNG will be required to reduce pressure on its 12” Line 3200-1 between Tracy City and Ooltewah while ETNG conducts these investigations.

- At this time, these investigations will not require a reduction in capacity; however, depending on the results of these investigations, capacity reductions or isolations may be required.

- During this outage, ETNG will work with upstream interconnects to minimize impacts on shippers.
Topside to Flatwoods (16” Line 3300-1 Sec 1)

- Dates: April 17

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting a cleaning tool run on its 16” Line 3300-1 between Topside and Flatwoods Compressor Station.

- Based on historical nominations ETNG does not anticipate restrictions associated with this outage.
Boyds Creek to Fordtown (16” Line 3300-1)

• Dates: April 18

• To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting a cleaning tool run on its 16” Line 3300-1 between Boyds Creek and Fordtown Compressor Station.

• During this tool run, the following meter will be unavailable:
  • 59219 – TVA - JOHN SEVIER

• Based on historical nominations, ETNG does not anticipate additional restrictions associated with this outage.
Ooltewah Compressor Station

- **Dates:** April 22-26

- ETNG will be conducting a compressor station outage at its Ooltewah Compressor Station (Ooltewah) on the 3200 line.

- During this outage, capacity south through Ooltewah to the 3500 Line will be reduced to approximately 45,000 Dth/d.

- Based on historical nominations, restrictions may be required for interruptible and secondary services and potentially primary firm services.
Glade Springs to Rural Retreat (24” Line 3300-1/2)

- **Dates:**
  - **Gauge Tool Date:** April 18
  - **In-line Tool Date:** April 23
  - **Potential Repair Beginning On:** July 8

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting cleaning and in-line inspection tool runs on its 24” Line 3300-1/2.

- These tools runs will require gas movement from west to east through Rural Retreat. As a result, during these two tool runs, receipts sourced from Jewel Ridge (Line 3700) may be limited to approximately 60,000 Dth /d.

- Additionally, restrictions to receipts sourced at Cascade Creek (MR59304/MR59204) may be required.

- Based on historical nominations, ETNG anticipates restrictions to interruptible, secondary and potentially primary firm services.
• Dates:
  • Cleaning Tool Date: TBD
  • In-line Tool Date: May 1
  • Potential Repair Beginning On: September 1

• To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting cleaning and in-line inspection tool runs on its 22” Line 3100-1.

• During these tool runs, capacity through Dixon Springs will be reduced to approximately 258,000 Dth/d for the cleaning tool run and approximately 48,000 Dth/d for the In-line tool run.

• Based on historical nominations, ETNG anticipates restrictions will be required for interruptible, secondary and primary firm services. Customers delivering to meters west of Dixon Springs should consider sourcing gas from points west of Dixon Springs and customers delivering to meters east of Dixon Springs should consider sourcing gas from meters east of Dixon Springs to avoid potential restrictions due to this outage.

• During this outage, ETNG will work with meter operators to minimize impacts on shippers.
Maryville to Topside (6” Line 3220A-100/300 Maryville - Alcoa South Loop Lateral)

- Dates:
  - Cleaning Tool Date: April 24
  - In-line Tool Date: May 1
  - Potential Repair Beginning On: July 10

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting cleaning and in-line inspection tool runs on its 6” Line 3220A-100/300.

- During this outage, ETNG will work with meter operators to minimize impacts on shippers.

- Additionally, beginning at the potential repair date, capacity reductions or isolations may be required which may result in the following meters experiencing lower than normal pressures or be unavailable for flow:
  - 59045 – ALCOA SOUTH
  - 59046 – UCG MARYVILLE
Ooltewah to Calhoun (12” Line 3200-1)

- **Dates:** May 9 – 27

- While conducting its previously posted DOT mandated Pipeline Integrity Program, ETNG has determined that further detailed investigations are required on its 12” Line 3200-1 between its Ooltewah and Calhoun Compressor Stations.

- At this time, these investigations will not require a reduction in capacity; however, depending on the results of these investigations, capacity reductions or isolations may be required.

- If additional capacity reductions or isolations are required, the following meters may experience lower than normal pressures or be unavailable for flow:
  - 59016 – CHATTANOOGA OOLTEWAH
  - 59151 – ETN CHATTANOOGA CHARLESTON
  - 59311 – SONAT BRADLEY

- During this outage, ETNG will work with upstream interconnects to minimize impacts on shippers.
Boyds Creek Compressor Station

- **Dates:** May 10

- ETNG will be conducting a compressor station outage at its Boyds Creek Compressor Station (Boyds) on the 3300 line.

- During this outage, west to east capacity through Boyds will be reduced to approximately 115,000 Dth/d.

- Based on historical nominations, restrictions may be required for interruptible and secondary services and potentially primary firm services.
Nora to EOL (12” Line 3400-1) – 2nd Quarter Cleaning Tool Run

- Dates: May 13
- ETNG will be conducting a cleaning tool run on its 12” 3400-1 Line between its Nora Compressor Station and EOL. Based on historical nominations, restrictions are not anticipated with this outage.
- During this outage, ETNG will work with meter operators to minimize impacts on shippers.
Main Line 3100-1 Dixon Springs Pipeline Outage

- **Dates:** June 1-15

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting a hydrostatic test on its 3100 Main Line upstream and downstream of the Dixon Springs Compressor Station (Dixon Springs). During this outage capacity on the 3100 Line through Dixon Springs will be reduced to zero.

- Additionally during this outage the following meter will be unavailable for flow:
  - 59015 – MTUD CARTHAGE

- Based on historical nominations, ETNG anticipates restrictions will be required for interruptible, secondary and primary firm services.

- Customers delivering to meters west of Dixon Springs should consider sourcing gas from points west of Dixon Springs and customers delivering to meters east of Dixon Springs should consider sourcing gas from meters east of Dixon Springs to avoid potential restrictions due to this outage.
Estill Springs Compressor Station

• **Dates:** August 3 – November 10

• ETNG will be conducting a compressor station outage at its Estill Springs Compressor Station (Estill Springs) on the 3200 line.

• During this outage, capacity through Estill Springs will be reduced to approximately 131,000 Dth /d.

• Based on historical nominations, restrictions for interruptible and secondary services may be required during this outage.
• Dates: September 16-20

• ETNG will be conducting a compressor station outage at its Boyds Creek Compressor Station (Boyds) on the 3300 line.

• During this outage, west to east capacity through Boyds will be reduced to approximately 115,000 Dth /d.

• Based on historical nominations, restrictions may be required for interruptible and secondary services and potentially primary firm services.
Rural Retreat Compressor Station

- **Dates:** October 7-11

- ETNG will be conducting a compressor station outage at its Rural Retreat Compressor Station (Rural Retreat) on the 3300 line. During this outage, capacities will be as follows:
  - Rural Retreat Compressor Station – 400,000 Dth/d
  - Deliveries to the Patriot Lateral on the 3500 Line – 359,000 Dth/d
  - Deliveries on the Roanoke Line – 63,000 Dth/d

- Additionally, the following meters will be limited to a net -0- receipt into the ETNG system:
  - 59204 - TRANSCO - CASCADE CREEK (DELIVERY)
  - 59304 - TRANSCO - CASCADE CREEK (RECEIPT)

- Based on historical nominations, restrictions will be required for interruptible and secondary services and potentially primary firm services.
Boyds Creek to Flatwoods (24” Line 3305B-100)

- Dates: TBD

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting cleaning tool runs on its 12” Line 3305B-100.

- During this outage, ETNG will work with point operators to minimize impacts on shippers and to ensure a successful tool run.
Boyds Creek to Flatwoods (10” Line 3305A-200 Stone Mountain Lateral)

- Dates:
  - Cleaning Tool Date: TBD
  - In-line Tool Date: TBD
  - Potential Repair Beginning On: TBD

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting cleaning and in-line inspection tool runs on its 10” Line 3305A-200.

- During this outage, ETNG will work with point operators to minimize impacts on shippers.

- Additionally, beginning at the potential repair date, capacity reductions or isolations may be required which may result in the following meters experiencing lower than normal pressures or be unavailable for flow:
  - 59198 – ROGERSVILLE M&R
Cascade Creek Meter Station

- **Dates**: TBD Fall

ETNG will be conducting an outage at its Cascade Creek meter station on the 3600 line. During this outage, the following meters will be unavailable:
  - 59204 - TRANSCO - CASCADE CREEK (DELIVERY)
  - 59304 - TRANSCO - CASCADE CREEK (RECEIPT)

Based on historical nominations, restrictions will be required for interruptible and secondary services and potentially primary firm services.
Dixon Springs to Gainsboro (22” Line 3100-1)

• **Dates:** TBD

• While conducting its previously posted DOT mandated Pipeline Integrity Program, ETNG has determined that further detailed investigations are required on its 22” Line 3100-1 between its Dixon Springs and Gainsboro Compressor Stations.

• The scope and impact of this outage is unknown at this time. ETNG will provide updates on this outage as they become available.

• During this outage, ETNG will work with upstream interconnects to minimize impacts on shippers.
Dixon Springs Compressor Station

- **Dates:** TBD

- ETNG will be conducting a compressor station outage at its Dixon Springs Compressor Station (Dixon Springs) on the 3100 line.

- During this outage, capacity through Dixon Springs will be reduced to approximately 347,000 Dth/d.

- Based on historical nominations, ETNG does not anticipate restrictions associated with this outage; however, depending on nominated quantities, restrictions may be required for interruptible and secondary services.
Flatwoods to Bristol (24” Line 3300-2)

- **Cleaning Tool Date:** TBD

- To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting a cleaning tool run on its 24” Line 3300-2 between the Fordtown and Bristol Compressor Stations.

- During this tool run, the following meter will be unavailable:
  - 59219 – TVA - JOHN SEVIER

- Based on historical nominations, ETNG does not anticipate additional restrictions associated with this outage.
Main Line 3300-1 Flatwoods to Fordtown

• Dates: TBD – Fall (approximately 15 days)

• To comply with the applicable regulatory requirements associated with ETNG’s ongoing DOT Pipeline Integrity Project, ETNG will be conducting a hydrostatic test on its 3300 Main Line between Flatwoods and Fordtown Compressor Stations.

• During this outage capacity on the 3300 Line through Flatwoods will be reduced to zero.

• Based on historical nominations, ETNG anticipates restrictions will be required for interruptible, secondary and primary firm services.
• Dates: TBD

• While conducting its previously posted DOT mandated Pipeline Integrity Program, ETNG has determined that further detailed investigations are required on its 22” Line 3100-1 between its Gainsboro and Monterey Compressor Stations.

• The scope and impact of this outage is unknown at this time. ETNG will provide updates on this outage as they become available.

• During this outage, ETNG will work with upstream interconnects to minimize impacts on shippers.
Lewisburg Compressor Station

• **Dates**: TBD

• ETNG will be conducting a compressor station outage at its Lewisburg Compressor Station (Lewisburg) on the 3200 line.

• During this outage, capacity through Lewisburg will be reduced to approximately 143,000 Dth /d.

• Based on historical nominations, restrictions for interruptible and secondary services may be required during this outage.
Lobelville to Lewisburg (16” Line 3200-2) – Pipeline Outage

• Dates: TBD

• ETNG will be conducting a pipeline outage on its 3200-2 Line between Lobelville and Lewisburg compressor stations.

• The compete scope and impact of this outage is unknown at this time. ETNG will provide updates on this outage as they become available.

• During this outage, the meter listed below will be unavailable:
  • 53201 – EL PASO - LOBELVILLE RECEIVING

• During this outage, ETNG will work with upstream interconnects to minimize impacts on shippers.
**Monterey Compressor Station**

**Dates:** TBD

- ETNG will be conducting a compressor station outage at its Monterey Compressor Station (Monterey) on the 3100 line.

- During this outage, capacity through Monterey will be reduced to approximately 327,000 Dth /d.

- Based on historical nominations, restrictions are not anticipated during this outage; however depending on nominated quantities, restrictions may be required for interruptible and secondary services.
Nora to EOL (12” Line 3400-1) – 3rd and 4th Quarter Cleaning Tool Run

- **Dates:** TBD – 3rd Quarter and 4th Quarter

  - ETNG will be conducting a cleaning tool run on its 12” 3400-1 Line between its Nora Compressor Station and EOL.

  - Based on historical nominations, restrictions are not anticipated with this outage.

  - During this outage, ETNG will work with meter operators to minimize impacts on shippers.
Ridgetop to Dixon Springs (22” Line 3100-1)

- **Dates:** TBD

- While conducting its previously posted DOT mandated Pipeline Integrity Program, ETNG has determined that further detailed investigations are required on its 22” Line 3100-1 between its Ridgetop and Dixon Springs Compressor Stations.

- During this outage ETNG will be required to reduce pressure on its 22” Line 3100-1 between Ridgetop and Dixon Springs while ETNG conducts these investigations.

- As a result of these investigations, the meter listed below will be unavailable during this outage:
  - 53101 – EL PASO - RIDGETOP RECEIVING

- During this outage, ETNG will work with upstream interconnects to minimize impacts on shippers.

- Based on historical nominations, ETNG does not anticipate restrictions associated with this outage; however depending on nominated quantities, restrictions may be required for interruptible and secondary services.

- Additionally, depending on the results of these investigations, further capacity reductions or isolations may be required which may also result in the following meter being unavailable for flow:
  - 59313 – TROUSDALE COUNTY RECEIVING
Wartburg Compressor Station

- Dates: TBD

- ETNG will be conducting a compressor station outage at its Wartburg Compressor Station (Wartburg) on the 3100 line.

- During this outage, capacity through Wartburg will be reduced to approximately 290,000 Dth /d.

- Based on historical nominations, restrictions are not anticipated during this outage; however depending on nominated quantities, restrictions may be required for interruptible and secondary services.
ETNG will be conducting, as part of its ongoing DOT Pipeline Integrity Project, in-line inspection tool runs at various locations throughout the East Tennessee pipeline system. As a result of these in-line inspections, certain locations could be identified for an investigation which could lead to possible reduction of capacity. Should any of these investigations lead to a reduction of capacity, ETNG will post on the bulletin board as soon as it is known. Listed below are the pipeline segments scheduled for inspection this year. Each segment will have a caliper tool run and an ILI tool run. Also listed below are the dates of possible investigation as a result of the in-line inspection.

<table>
<thead>
<tr>
<th>Pipeline Segment</th>
<th>ILI Date</th>
<th>Possible Repl Date</th>
<th>Run Comp Poss Repl Date</th>
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</thead>
<tbody>
<tr>
<td>Tracy City to Ooltewah Ln 3200-2 Sec 3</td>
<td>4/9</td>
<td>6/18</td>
<td>TBD</td>
</tr>
<tr>
<td>Maryville to Topside Ln 3220A-400*</td>
<td>4/11</td>
<td>6/20</td>
<td>TBD</td>
</tr>
<tr>
<td>Dixon Springs to Monterey Ln 3100-1</td>
<td>5/1</td>
<td>9/1</td>
<td>TBD</td>
</tr>
<tr>
<td>Maryville to Topside Ln 3220A-100/300*</td>
<td>5/1</td>
<td>7/10</td>
<td>TBD</td>
</tr>
<tr>
<td>Glade Springs to Rural Retreat Ln 3300-1/2*</td>
<td>4/23</td>
<td>7/8</td>
<td>TBD</td>
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<tr>
<td>Tracy City to Ooltewah Ln 3200-1 Sec 1</td>
<td>7/23</td>
<td>9/24</td>
<td>TBD</td>
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<tr>
<td>Tracy City to Ooltewah Ln 3200-2 Sec 2</td>
<td>7/24</td>
<td>10/7</td>
<td>TBD</td>
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<tr>
<td>Boyds Creek to Flatwoods Ln 3305A-200*</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
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As a result of prior DOT mandated investigations, the following locations have been identified as requiring additional evaluation which may require a reduction of capacity. Should any of these investigations lead to a reduction of capacity, ETNG will post on the bulletin board as soon as it is known:

<table>
<thead>
<tr>
<th>Location 1</th>
<th>Location 2</th>
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<tbody>
<tr>
<td>Boyds Creek to Flatwoods (Line 3305A-100)</td>
<td>Lobelville to Lewisburg (Line 3200-1 Sec 1)</td>
</tr>
<tr>
<td>Boyds Creek to Flatwoods (Line 3305B-100)</td>
<td>Maryville to Topside (Line 3220A-100/300)</td>
</tr>
<tr>
<td>Boyds Creek to Flatwoods (Line 3305A-200)</td>
<td>Maryville to Topside (Line 3220A-400)</td>
</tr>
<tr>
<td>Dixon Springs to Gainsboro (Line 3100-1)</td>
<td>Ooltewah to Calhoun (Line 3200-1)</td>
</tr>
<tr>
<td>Flatwoods to Forttown (16” Ln 3300-1)</td>
<td>Ridgetop to Dixon Springs (Line 3100-1 and 3100-2)</td>
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<tr>
<td>Flatwoods to Forttown (3307B-100/200 Kingsport Lateral)</td>
<td>Tracy City to Ooltewah (Line 3200-1)</td>
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<tr>
<td>Fordtown to Bristol (Ln 3300-1)</td>
<td>Tracy City to Ooltewah (Line 3200-1 Sec 1)</td>
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<tr>
<td>Fordtown to Bristol (Ln 3300-2)</td>
<td>Tracy City to Ooltewah (Line 3200-1 Sec 2)</td>
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<tr>
<td>Gainsboro to Monterey (Line 3100-1)</td>
<td>Tracy City to Ooltewah (Line 3200-2 Sec 2)</td>
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<tr>
<td>Glade Springs to Rural Retreat (24” Line 3300-1)</td>
<td>Tracy City to Ooltewah (Line 3200-2 Sec 3)</td>
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<tr>
<td>Glade Springs to Rural Retreat (24” Line 3300-2)</td>
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Saltville 2019 Planned Outages
Saltville Outage Summary

Below is a list of major outages known to date that will impact injection/withdrawal capabilities on the Saltville Gas Storage Company, LLC (SGSC) system for 2019. Due to unforeseen delays or scheduling conflicts, the dates of the outages listed below are subject to change. In addition, this schedule is not a complete list of all outages that will occur this outage season, and we reserve the right to update this list to reflect additional major outages when the timing of such major outages can be reasonably forecasted. Any changes to the list below will be posted at the earliest practical date. Parties are urged to monitor these postings to access the most current information.

<table>
<thead>
<tr>
<th>Outage</th>
<th>Date</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Annual Compressor Outage</td>
<td>April 8-21</td>
<td>SGSC will be conducting an outage at its facilities. Based on historical nominations, restrictions are not anticipated during this outage; however depending on nominated quantities, restrictions may be required for injection nominations.</td>
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